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Alkylation of Aromatic Compounds with Diene Hydrocarbons. VI. Spectral Investigation of Products from Alkylation of Phenetole with Piperylene in the Presence of Anhydrous Orthophosphoric Acid, by M.R. Masudayev and E. A. Vdovtsova, 5 pp.

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SLA 60-14242

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Hydrocarbons. III: Alkylation of Phenol by
Piperylene in Presence of Anhydrous Phosphoric Acid,
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pp ~~476-478~~.
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Zhur Obshch Khim, Vol XIX, No 2, 1949 (Feb), pp 299-302

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A11117

Alkylation of Aromatic Compounds with Dienic
Hydrocarbons. Alkenylation of Anisole with
Piperylene, by E. A. Vdovtsova, S. V. Zav-
gorodny, 4 pp.

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**Diamonds in Stony Meteorites, by A. P. Vinogradov,
G. P. Vdovykin, 8 pp.**

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Chemical Evolution of Early Organic Compounds
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Komissii po Kosmologii Astronomicheskoye
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Preliminary Results on the Luminescent-Bituminologous
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The Principles of Closed Non-Tamponade Operative Treatment of Chronic Osteomyelitis -- Characteristics and Use of this Method, by F.K. Weber, 9 pp.
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ID GSUSA F-2130 B-1

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The Effect of Light on Phosphate Transformations
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1959, pp 227-230.

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RESULTS OF THE 14TH ALL-UNION CONGRESS OF HYGIENISTS
AND SANITATION PHYSICIANS, BY L. G. VEBER, 9 PP.

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NO 6, 1962, PP 40-42.

JPRS 15553

SCI - MEDICINE

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Stations, by L. G. Veber, 6 pp.

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Jan 59

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On the Algarites of Azerbaydzhan (Conclusion), by
V. V. Veber, A. I. Gorskaya, 4 pp.

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Gorshaya,

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Bottom Sediments of Lake Sevan and Features
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Petroleum in the Southeastern Section of the Dnepr-Donets Depression and Tasks of Further Geological Work, by V. V. Veker, 16 pp.

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Between Scapulo-Humeral and Coronary Diseases,
by G. P. Vecchi, V. Rubb Lania,

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Results of Low-Temperature Research XXXV. Simultaneous
Enrichment of N^{15} , O^{17} , and O^{18} , by Rectification of
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No 42, 43, 1961, pp 343-361. 9077336

AEC Tr-4567

Sci - Chem
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**PSEUP Secretary Vecchioli Interviewed on His Party's
Prospects, by Tullio Vecchioli, 3 pp.
ITALIAN, sp, Rinascita, 12 Jan 1964, pp 3, 4.**

JPRS 23227

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Thirty-Fourth Congress of Italian Socialist Party,
by Giuseppe Avolio, Lelio Basso, Vecchiotti, et al,
101 pp.

ITALIAN, pp. Avanti, 10 Jan 1961, pp 4-7;
14 Jan 1961, pp 8-10; 12 Jan 1961, pp 6-8. 9080921

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WEur - Italy

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(DC-3801)

ITALIAN LEFT-WING SOCIALISTS QUESTION SOCIALIST
SUPPORT OF CENTER-LEFT COALITION, BY TULLIO VECCHIETTI
5 PP.

ITALIAN, PER, MONDO NUOVO, NO 11, 3 JUN 1962,
P 3.

JPRS 14885

WEEUR - ITALY
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JUL 62

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VECCHIETTI CRITICIZES MENZI POLICY, LOOKS FORWARD
TO CHANGES AT 34TH PSE CONGRESS, BY TULLIO
VECCHIETTI, 6 PP.

ITALIAN, FED, NEWS BUREAU, 26 MAY 1963, PP 3-4

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JUN 1963

MEMO - ITALY
POL
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THE SOCIALIST RIGHT WANTS TO BRING THE PSI
INTO THE SOCIAL DEMOCRATIC CAMP -- IT IS
UP TO THE 35TH CONGRESS TO REJECT THIS MOVE,
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P 5.

JPRS 16427

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<p>Vecera, M. QUANTITATIVE ORGANIC ANALYSIS. XXXII. A SEMI-AUTOMATIC, RAPID, MICROGRAVIMETRIC METHOD FOR DETERMINING CARBON IN ORGANIC COMPOUNDS. [1964] [6p] 12refs Order from SLA \$1.10</p> <p>TT-64-10712</p> <p>Trans. of Mikrochim[ica] Acta (Austria) 1962 [no. 5] p. 891-895.</p> <p>(See also TT-63-20981)</p> <p>(Chemistry--Analytical, TT, v. 11, no. 12)</p>	<p>TT-64-10712</p> <p>I. Vecera, M. II. Title: Semiautomatic ...</p> <p>282,652</p> <p>Office of Technical Services</p>
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TT-65-12043

Field 7C

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QUANTITATIVE ORGANIC ANALYSIS. V. AUTOMATIC
ELECTRICAL APPARATUS FOR DETERMINING CARBON
AND HYDROGEN IN ORGANIC COMPOUNDS. 8p, 23refs.
Order from SLA: \$1.10 as TT-65-12043

Trans. of Chemické Listy (Czechoslovakia) v49 n12 p1891-4
1955.

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III, Title: Automatic ...

MR 624

Vecera, M.

QUANTITATIVE ORGANIC ANALYSIS. XXIX. AN
AUTOMATIC METHOD FOR THE MICRODETERMINA-
TION OF CARBON, HYDROGEN, AND NITROGEN IN
ORGANIC SUBSTANCES. 9 Sep 63, 6p 7refs
Order from SLA \$1.10

TT-63-20604

Trans. of Talanta (Ox. Brit.) 1961, v. 8 [no. 6]
p. 446-449. (Abstract available)

DESCRIPTORS: *Carbon, *Hydrogen, *Nitrogen,
*Organic compounds, Microanalysis, Quantitative
analysis.

A method for the automatic determination of carbon,
hydrogen, and nitrogen in organic compounds is de-
scribed. The method involves thermal conductivity
measurements and uses Co_2O_3 as combustion catalyst.
(Author) (See also 63-20603)
(Chemistry--Analytical, TT, v. 11, no. 3)

TT-63-20604

I. Vecera, M.
II. Title: Automatic...

Office of Technical Services

Quantitative Organic Analysis. XIII.
New Method for the Rapid Automatic
Combustion of Organic Substances: Micro-
determination of Carbon and Hydrogen,
by M. Vozna, F. Wajtech, L. Spach,
9p.

CZECH, per, ~~Shangik Chakravorty~~
~~Chakravorty~~, Vol 23, No 1,
1966, pp 93-100.
SLA TT-64-30653

M. Vozna

333, 773

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Vecera, M. and Snobl, D.
QUANTITATIVE ORGANIC ANALYSIS. XXV. AN
INVESTIGATION OF THE EXTERNAL ABSORPTION
OF NITROGEN OXIDES WITH MANGANESE DIOXIDE
IN THE DETERMINATION OF CARBON AND
HYDROGEN. [1963] [15p] 32refs
Order from SLA \$1.60 TT-63-20603

Trans. of [Sbornik Chekhoslovatskykh Khimicheskikh
Rabot] 1960, v. 25, p. 2013-2021. (Abstract available)

DESCRIPTORS: *Hydrogen, *Carbon, *Manganese
compounds, Dioxides, *Nitrogen compounds, Oxides,
Absorption, Organic compounds, Quantitative analysis,
Microanalysis.

It was determined that MnO_2 binds NO_2 with its surface
hydroxyl groups, in amounts proportional to its surface
area. In accordance with this fact, hydrated $Mn(OH)_2$
gel proved the most suitable for external absorption of
(Chemistry--Analytical, TT, v. 11, no. 3) (over)

TT-63-20603

I. Vecera, M.
II. Snobl, D.
III. Title: Investigation...

Office of Technical Services

Vecera, M.

CATALYTIC RAPID COMBUSTION IN ORGANIC
ELEMENTAL ANALYSIS, 21 June 62 [9]p. 16 refs.
Order from SLA SI, 10 62-20192

Trans. of Acta Chimica (Hungary) 1961, v. 26,
p. 511-518.

DESCRIPTORS: *Organic compounds, *Combustion,
Catalysts, Chemical analysis.

The existence of vapor surges with an oxygen deficiency
is characteristic of rapid combustion in organic
elemental analysis. In a catalyst suitable for continuous
operation, reduction and oxidation at the surface must
be reversible. A detailed study of various types of
catalysts showed that Cr_2O_3 was the best of the sub-
stances tested for rapid combustion. The flash com-

(Chemistry-Analytical, 01, v. 9, no. 9)

62-20192

I. Vecera, M.

Office of Technical Services

Vecera, M., Snobl, D., and Synek, L.
QUANTITATIVE ORGANIC ANALYSIS. XXVII. THE
KINETICS AND MECHANISM OF THE CATALYTIC
RAPID COMBUSTION IN THE DETERMINATION OF
HYDROGEN IN ORGANIC COMPOUNDS. 5 Jul 63
[22p] 12refs
Order from SLA \$2.60 TT-63-20981

Trans. of Mikrohchim[ica] Acta (Austria) 1961,
p. 370-389. (Abstract available)

DESCRIPTORS: *Quantitative analysis, Organic
materials, *Carbon, *Hydrogen, Combustion, *Cataly-
sis, Reaction kinetics, *Microanalysis, Automation

A systematic study of the kinetics and mechanism of the
combustion and rinsing provided the basis for developing
an ultrarapid method for the microdetermination of car-
bon and hydrogen, which will permit reducing the time
required for the analysis to several minutes and making
the analytical procedure quite universal and completely
automatic. (Author) (See also TT-63-10101)

TT-63-20981

- I. Title: Combustion analysis
- I. Vecera, M.
- II. Snobl, D.
- III. Synek, L.
- IV. Title: Kinetics...

50602

(Chemistry--Analytical,
TT, v. 11, no. 11)
Office of Technical Services

Colorimetric Determination of Small Quantities
of Hydrazobenzene, by M. Vecera,
J. Petranek.

YES

CZECH, per, Chemické Listy, Vol XLVIII,
1954, pp 1351-1353.

CSIRO

Sci - Chem

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Apr 62

Yevchenko, M.
AUTOMATIK DETERMINATION OF NITROGEN IN
ORGANIC SUBSTANCES. 15 Jul 62 [12]p. 14 refs.
Orig. from M.A.S.I. 60 62-16072

Tran. Vsesoyuz. Khim. Nauch. Issled. Inst. Razr. [1961, v. 3], p. 298-314.

DESCRIPTION: *Nitrogen; Determination; Thermal
conductivity; Oxidation; *Organic compounds;
Methods; Analytical.

An automatic nitrogen determination, based on the ignition of samples in the presence of
catalytic substances in a stream of CO₂, has been de-
scribed. The results of the analysis are determined by
measuring the change of thermal conductivity of the
gas stream. The results of the nitrogen determination
are compared with the results of the method
which is used for the analysis of liquid com-
pounds, and the results are carried out in a closed system.
(Author)

62-16072

L. Yevchenko, M

0322845

Chemical Engineering, U.S.S.R.

Office of Technical Services

Vecera, M. and Synek, L.
QUANTITATIVE ORGANIC ANALYSIS. XVIII.
MICRODETERMINATION OF CARBON AND HYDRO-
GEN, USING COBALTO-COBALTIC OXIDE AS COM-
BUSTION CATALYST. 1 Nov 62, 16p. 44 refs.
Order from SLA \$1.60 63-10102

Trans. of [Sbornik Chechoslovatskykh Khimicheskyykh
Rabot] 1958, v. 23, p. 1202-1211.

DESCRIPTORS: *Quantitative analysis, *Organic
compounds, *Microanalysis, *Carbon, *Hydrogen,
*Cobalt compounds, *Combustion, Catalysts, *Oxides.

A rapid and simple method for the microdetermination
of C & H is described, in which the sample is burned
in an oxygen stream in the presence of CO_3O_4 . Halogen
and sulfur are absorbed by silver, while nitrogen
oxides are retained outside the combustion tube by
(Chemistry--Analytical, TT, v. 9, no. 10) (over)

63-10102

I. Vecera, M.
II. Synek, L.
III. Title: Microde-
termination...

Office of Technical Services

Vecera, M., Snobl, D., and Synek, L.
A FURTHER CONTRIBUTION TO THE SYSTEMATIC
STUDY OF THE FUNDAMENTAL OPERATIONS IN
ELEMENTAL MICROANALYSIS. Preliminary Com-
munication; Pt. 24 of Quantitative Organic Analysis.
18 June 62 [6]p. 27 refs.
Order from SLA \$. 10

62-18995

Trans. of [Sbornik: Chekhoslovatskykh Khimicheskyykh
Rabot] 1960, v. 25, p. 281-282.

DESCRIPTORS: *Organic compounds, Catalysts,
Combustion, *Quantitative analysis, Microanalysis.

(Chemistry--Analytical, TT, v. 9, no. 8)

62-18995

- I. Vecera, M.
- II. Snobl, D.
- III. Synek, L.
- IV. Title: Quantitative. . .

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Microdetermination of Sulfur in Organic
Substances, by M. Vecera, 5 pp.

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CZECH, per, Chem Listy, Vol XLVIII, 1954,
pp ~~613-616~~.
513-516.

19,456

AEC Tr No 1970
Assoc Tech Svc
1974C

Scientific - Chemistry

Also: From V - Su CS-404

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(107)

Quantitative Organic Analysis. XXXI,
Microdetermination of Carbon in Organic
Substances by Measurement of Electrical Conductivity,
using Co_2O_4 as Combustion Catalyst
(Preliminary Communication)
by M. Vecera, J. Lakomy, et al.
CZECH, per, Sbornik Chekhoslovatskykh
Khimicheskikh Rabot, Vol XXVII, No 4,
1962, pp 1033-1037.
SLA TT 64-16179

M. Vecera

May 67 325,017

46
A Quick Process for Nitrogen Micro Estima-
tion in Organic Substances using Co_3O_4 as
the Combustion Catalyst, by M. Vecera.
FRENCH, per, Mikrochimica Acta, Vol II, 1960,
pp 208-219.
*AEC

Vecera M.

Sci - Chem

<p><u>Vecera, M</u>[iroslov], <u>Vojtech, F</u>[rantisek] and <u>Sekera, B</u>[edrich].</p>	<p>61-10627</p>
<p>ORGANIC QUANTITATIVE ANALYSIS, XXIII, ELECTRIC HEATING ELEMENT FOR ELEMENTARY ANALYSIS. [1961] [5]p. 6 refs.</p>	<p>1. Chemical analysis-- Equipment 2. Electric furnaces--Design I. Vecera, M. II. Vojtech, F. III. Sekera, B. IV. Title: Electric ...</p>
<p>Order from SLA ml\$1.00, ph\$1.80 61-10627</p>	
<p>Trans. of Chem[icke] Listy (Czechoslovakia) 1959, v. 53 [no. 10] p. 1054-1057.</p>	
<p>An electric furnace with small time factor of heating and cooling, with good heat transfer into the combustion space and readily calibrated temperature along the combustion zone is described. The individual parts of the combustion furnace are: a ceramic isolation shell of wall thickness 3-5mm, frame of stainless steel, and a heating coil of Kanthal resistance wire of 0.75mm minimum diam. By stretching the coil, different temperatures are attainable. The arrangement is employed for the micro determination of carbon, hydrogen, sulfur, halogen and nitrogen and is also suitable for semi-micro analytical methods. (Author)</p>	<p>Office of Technical Services (Chemistry--Analytical, TT, v. 5, no. 12)</p>

A Fast Semi-Automatic Micro-Gasvolumetric
Determination of Nitrogen in Organic
Substances by Utilizing Co_2O_3 as an
Oxidizing Catalyst, by Miroslav Tomara,
17 pp.

GERMAN, per, Mikrochimica Acta, Vol V, 1962,
pp 896-912. 9688756

DOC 2510-70

Sci - Chem
Nov 63

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(SF-1848)

Czechoslovak Attempt to Influence Sensitivity of
Laboratory Animals to Ornithosis Virus, by J. Strauss,
B. Vecerek, 10 pp. OFFICIAL USE ONLY

CZECH, per, Ceskoslovenska Epidemiologie, Mikrobiologie,
Imunologie, Vol X, No 2, 1961, pp 92-96.

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Contribution to the Method of X-Ray Analysis
of Metallurgical Coke, by M. F. Kessler,
V. Vecerikova, 14 pp.

GERMAN, per, Brennstoff-Chemie, Vol XL, No 2,
1959, pp 52-55.

SLA 60-10993

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Structural Changes of Black Coal on Carbonization,
by M. Kessler, V. Vecerikova.

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CHECH, per, Paliva, Vol XXXVI, No 6, 1956, pp
192-199.

CSIRO-3298

Sci

Aug 59

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**Electromotive-Force Studies of the Thermodynamics
of Binary Metallic Systems VII. Iron-Antimony
Liquid Alloys, by A. A. Vecher, V. A. Geiderikh,¹
4 pp.**

**RUSSIAN, per, Zhur Fiz Khim, Vol XXXV,
No 7, 1961, pp 1578-1585.**

Cleaver-Hume Press

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Thermodynamic Properties of Cu-Ni and Fe-Ni
Solid Solutions, by Ya. I. Gerasimov, A. A. ^C
Vecher and V. A. Geiderikh, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXXII,
No 5, pp 834-836.
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The Thermodynamics of Formation of the Higher Anti-
monide of Iron, by V. A. Geydarikh, Ya. I. Gerasimov,
A. A. Techer, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXX, No 6, 1958,
pp 1274-1276.

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Sci - Chem

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The Adsorption Photometric Method for Determining
Thiamine (Vitamin B₁), by A. S. Vecher, O. B.
Krayanskiy, 14 pp.

RUSSIAN, per, Biokhimiya, Vol XVIII, No 6, 1953,
pp 743-747. CIA D 151183

S-L.A R-368
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Scientific - Chemistry

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OTS 66/Mar 1955

Application of Sinter in Open-Hearth Melting
by N. A. Vecher, A. A. Lebedev, N. D. Kornseyev.
3 pp.

RUSSIAN, per, Metallurg, No 6, 1957, pp 17-18.

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Sci - Engr
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Quantitative Organic Analysis: Pt. 13 - A Rapid
Method for C and H Microdetermination in Organic
Substances, by M. Vechera. UNCL

GERMAN, per, Mikrochim Acta, No 1, 1958,
pp 9-27.

RAE 752

Sci - Chem
Jun 59

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Overvoltages in Filled-In Cable Punctures, by
Ch; M. Dzhivarly, G. V. Vechkeizer, 9 pp.

RUSSIAN, no per, Elektrichestvo, No 3, 1954,
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Morris D. Friedman
\$5.00

Scientific - Physics

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Military-Historical Tactical Hides, by P. Vechov, 21 pp,
(D 106240).

UNCLASSIFIED

Full translation.

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ID GSUSA F-6123 C

OSR - M11

Aug 52 CTS/DEX

A 12503

The Significance for the Economic Utilization of Nuclear Energy of Factors Arising From the Thermal and Electrical Parts of the Process, by I. Vechvarshy, A. Shevchik.

CZECH, paper P/798, Proceedings of International Conference on Peaceful Uses of Atomic Energy Held at Geneva 8-20 Aug 1955, Vol I.

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Sci - Nuclear Physics
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(NY-4300)

Trends in Product Development of Domestic Heavy-
Current Cable and Wire, by Agoston Vecsey, 31 pp.

HUNGARIAN, per, Villamosag, Vol VIII, No 2/3,
1960, pp 73-81.

JPRS 7604

EEur - Soviet Bloc

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Why Can Ships Break up in the Open Sea? by
G. Mathias Vedeler, 37 pp.

NORWEGIAN, Norwegian Shipping News, 1948,
No 7, pp 9-19; No 8, pp 17-27; No 9, pp 29-39;
No 10, pp 43-51, Goteborg, 1948.

CIA/FDD/Z-121

Scientific - Engineering

13,768

S-172/60

(DC-3524).

Hydrogen Exchange of Phenol and Its Ethers With
Solutions of Potassium Amide in Liquid Deutero-
ammonium, by A. I. Shatenshteyn, A. V. Vedeneyev, 14 pp.

RUSSIAN, per, Zhur Obshch Khim, Vol. XXVIII, No 10,
1958, pp 2644-2652.

JPRS 3375

118,667

Sci - Chem
Jun 60

<p>Vedeneva, N. E. THE APPLICATION OF CHROMATOGRAPHIC ADSORPTION TO THE ANALYSIS OF CLAYS. [1963] Sp. 7 refs. Order from OTS or SLA \$1.10 63-14606</p> <p>Trans. of Akademiya Nauk SSSR. Doklady, 1945, v. 50, p. 429-432.</p> <p>DESCRIPTORS: *Clay, Adsorption, Dyes, Tests, *Chromatographic analysis, *Clay minerals.</p> <p>(Chemistry--Analytical, TT, v. 10, no. 7)</p>	<p>63-14606</p> <p>I. Vedeneva, N. E.</p> <p>1247278</p> <p>Office of Technical Services</p>
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3. Heavy Tanks in Offense and Defense, by B. Vretynkov; 13 pp; 4. Repelling Tank Attacks of the Enemy, by N. Vedenev, 9 pp., UNCLASSIFIED

Full translation.

RUSSIAN, per, Tankist, No 8/9, p 21; No 10, p 5, 1944.

ID GSUSA G-591-B (3-4)

FOR
Military

May 53 CTS

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